

U2CO
#5
P4
10.20.00

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/533,427DATE: 04/14/2000
TIME: 10:49:12

Input Set: I533427.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

ENTERED

1 <110> APPLICANT: Chiorini, John
2 Kotin, Robert M.
3 Safer, Brian
4 Davidson, Elizabeth
5 Zabner, Joseph
6 <120> TITLE OF INVENTION: AAV5 VECTOR FOR TRANSDUCING BRAIN CELLS AND LUNG CELLS
7 <130> FILE REFERENCE: 14014.0323U2
8 <140> CURRENT APPLICATION NUMBER: US/09/533,427
9 <141> CURRENT FILING DATE: 2000-03-22
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15 <213> ORGANISM: Artificial Sequence
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109          20          25           30
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111          35          40           45
112      Ile Met Ser Leu Thr Lys Ser Ala Val Asp Tyr Leu Val Gly Ser Ser
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114      Val Pro Glu Asp Ile Ser Lys Asn Arg Ile Trp Gln Ile Phe Glu Met
115          65          70           75           80
116      Asn Gly Tyr Asp Pro Ala Tyr Ala Gly Ser Ile Leu Tyr Gly Trp Cys
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118      Gln Arg Ser Phe Asn Lys Arg Asn Thr Val Trp Leu Tyr Gly Pro Ala
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120      Thr Thr Gly Lys Thr Asn Ile Ala Glu Ala Ile Ala His Thr Val Pro
121          115         120           125
122      Phe Tyr Gly Cys Val Asn Trp Thr Asn Glu Asn Phe Pro Phe Asn Asp
123          130         135           140
124      Cys Val Asp Lys Met Leu Ile Trp Trp Glu Glu Gly Lys Met Thr Asn
125          145         150           155           160
126      Lys Val Val Glu Ser Ala Lys Ala Ile Leu Gly Gly Ser Lys Val Arg
127          165         170           175
128      Val Asp Gln Lys Cys Lys Ser Ser Val Gln Ile Asp Ser Thr Pro Val
129          180         185           190
130      Ile Val Thr Ser Asn Thr Asn Met Cys Val Val Val Asp Gly Asn Ser
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133          210         215           220
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135          225         230           235           240
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137          245         250           255
138      Thr His Glu Phe Lys Val Pro Arg Glu Leu Ala Gly Thr Lys Gly Ala
139          260         265           270
140      Glu Lys Ser Leu Lys Arg Pro Leu Gly Asp Val Thr Asn Thr Ser Tyr
141          275         280           285
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 149 340 345 350
 150 Asn Gly Cys Ile Cys His Asn Val Thr His Cys Gln Ile Cys His Gly
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 169 35 40 45
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 171 50 55 60
 172 Tyr Glu Trp Asn Lys Phe Ser Lys Gln Glu Ser Lys Phe Phe Val Gln
 173 65 70 75 80
 174 Phe Glu Lys Gly Ser Glu Tyr Phe His Leu His Thr Leu Val Glu Thr
 175 85 90 95
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 177 100 105 110
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 179 115 120 125
 180 Asp Trp Val Ala Ile Thr Lys Val Lys Lys Gly Ala Asn Lys Val
 181 130 135 140
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 183 145 150 155 160
 184 Glu Leu Gln Trp Ala Trp Thr Asn Leu Asp Glu Tyr Lys Leu Ala Ala
 185 165 170 175
 186 Leu Asn Leu Glu Glu Arg Lys Arg Leu Val Ala Gln Phe Leu Ala Glu
 187 180 185 190
 188 Ser Ser Gln Arg Ser Gln Glu Ala Ala Ser Gln Arg Glu Phe Ser Ala
 189 195 200 205
 190 Asp Pro Val Ile Lys Ser Lys Thr Ser Gln Lys Tyr Met Ala Leu Val
 191 210 215 220
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| 198 | Thr Lys Ser Ala Val Asp Tyr Leu Val Gly Ser Ser Val Pro Glu Asp | | |
| 199 | 275 | 280 | 285 |
| 200 | Ile Ser Lys Asn Arg Ile Trp Gln Ile Phe Glu Met Asn Gly Tyr Asp | | |
| 201 | 290 | 295 | 300 |
| 202 | Pro Ala Tyr Ala Gly Ser Ile Leu Tyr Gly Trp Cys Gln Arg Ser Phe | | |
| 203 | 305 | 310 | 315 |
| 204 | Asn Lys Arg Asn Thr Val Trp Leu Tyr Gly Pro Ala Thr Thr Gly Lys | | |
| 205 | 325 | 330 | 335 |
| 206 | Thr Asn Ile Ala Glu Ala Ile Ala His Thr Val Pro Phe Tyr Gly Cys | | |
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| 208 | Val Asn Trp Thr Asn Glu Asn Phe Pro Phe Asn Asp Cys Val Asp Lys | | |
| 209 | 355 | 360 | 365 |
| 210 | Met Leu Ile Trp Trp Glu Glu Gly Lys Met Thr Asn Lys Val Val Glu | | |
| 211 | 370 | 375 | 380 |
| 212 | Ser Ala Lys Ala Ile Leu Gly Gly Ser Lys Val Arg Val Asp Gln Lys | | |
| 213 | 385 | 390 | 395 |
| 214 | Cys Lys Ser Ser Val Gln Ile Asp Ser Thr Pro Val Ile Val Thr Ser | | |
| 215 | 405 | 410 | 415 |
| 216 | Asn Thr Asn Met Cys Val Val Asp Gly Asn Ser Thr Thr Phe Glu | | |
| 217 | 420 | 425 | 430 |
| 218 | His Gln Gln Pro Leu Glu Asp Arg Met Phe Lys Phe Glu Leu Thr Lys | | |
| 219 | 435 | 440 | 445 |
| 220 | Arg Leu Pro Pro Asp Phe Gly Lys Ile Thr Lys Gln Glu Val Lys Asp | | |
| 221 | 450 | 455 | 460 |
| 222 | Phe Phe Ala Trp Ala Lys Val Asn Gln Val Pro Val Thr His Glu Phe | | |
| 223 | 465 | 470 | 475 |
| 224 | Lys Val Pro Arg Glu Leu Ala Gly Thr Lys Gly Ala Glu Lys Ser Leu | | |
| 225 | 485 | 490 | 495 |
| 226 | Lys Arg Pro Leu Gly Asp Val Thr Asn Thr Ser Tyr Lys Ser Leu Glu | | |
| 227 | 500 | 505 | 510 |
| 228 | Lys Arg Ala Arg Leu Ser Phe Val Pro Glu Thr Pro Arg Ser Ser Asp | | |
| 229 | 515 | 520 | 525 |
| 230 | Val Thr Val Asp Pro Ala Pro Leu Arg Pro Leu Asn Trp Asn Ser Arg | | |
| 231 | 530 | 535 | 540 |
| 232 | Tyr Asp Cys Lys Cys Asp Tyr His Ala Gln Phe Asp Asn Ile Ser Asn | | |
| 233 | 545 | 550 | 555 |
| 234 | Lys Cys Asp Glu Cys Glu Tyr Leu Asn Arg Gly Lys Asn Gly Cys Ile | | |
| 235 | 565 | 570 | 575 |
| 236 | Cys His Asn Val Thr His Cys Gln Ile Cys His Gly Ile Pro Pro Trp | | |
| 237 | 580 | 585 | 590 |
| 238 | Glu Lys Glu Asn Leu Ser Asp Phe Gly Asp Phe Asp Asp Ala Asn Lys | | |
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VERIFICATION SUMMARY
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Line ? Error/Warning

Original Text
